

INTEGRATED FIBER ATTACH PAD FOR OPTICAL PACKAGE

ABSTRACT

A fiber-coupled optical component and housing comprising a substrate having a substantially planar fiber mount region and an optical component mount region adjacent to the fiber mount region. The optical component and housing may include a metallic mount pad formed over the fiber mount region and configured to bond to a metal solder preform, and may further include a metallized optical fiber coupled to the metallic mount pad by the metal solder preform. Alternately, the optical component and housing may include a fiber mount pad formed over the fiber mount region and configured to bond to a glass solder preform, and may further include a bare optical fiber coupled to the fiber mount pad by the glass solder preform. An optical component may be placed or formed within the area defined by the optical component mount region to desirably optically couple the optical component and the optical fiber.